ISSN 0043-1729

18 FEB 1992
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CAB ABSTRACTS

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1991 Volume 40 Annual Indexes

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Weed Abstracts

A monthly journal compiled from the CAB ABSTRACTS database.
Produced by the DIVISION OF CROP PROTECTION AND GENETICS

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Weed Abstracts

Volume 40

Prepared by

C·A·B INTERNATIONAL DIVISION OF CROP PROTECTION AND GENETICS

1991

ISSN 0043–1729

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C·A·B International
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printed by

Unwin Brothers Ltd, The Gresham Press, Old Woking, Surrey, UK
A Member of the Martins Printing Group

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The journal is available at a special rate to subscribers in countries which make a financial contribution to C·A·B International. Orders and enquiries concerning subscriptions and back numbers should be sent to the Distribution Manager, Marketing and Distribution Services at the above address.

The Department of Crop Protection also prepares: *Review of Agricultural Entomology, Review of Plant Pathology, Nematological Abstracts* and *Seed Pathology and Microbiology*.

How to use Weed Abstracts

● Either BROWSE, using the CONTENTS

Within each issue, records are sequenced according to their principal subject matter – see CONTENTS page.

About half the records concern weed control in the field and are arranged by CROP, so browsing is particularly useful to crop specialists.

The more general headings in the CONTENTS include records that cannot easily be assigned to a single crop.

● Or SEARCH, using the INDEXES

Subject indexes and author indexes are compiled monthly and cumulated annually.

SUBJECT INDEX

This guides the user to all the records that make significant reference to specific topics, including the following:

WEED SPECIES

Scientific names are used. These entries provide detailed indexing of control, biology, ecology and utilization.

CROP SPECIES

English common names are used for major crops, scientific names for minor crops and other plants. Weed control and weed/crop relations are fully indexed.

HERBICIDES AND GROWTH REGULATORS

These are indexed under their common names (see list at the back of each journal issue), or under chemical names if common names have not been assigned.

COUNTRY OR REGION

For records where geographical occurrence is of relevance.

OTHER HEADINGS

The main ones are listed here. Scan the ANNUAL INDEX for a more complete picture.

Algae
Allelopathins
Application
Bibliographies
Books
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Defoliants
Desiccants
Economics
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Flora
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*Herbicides
Legislation
Molecular genetics
Mycoherbicides
Reports
Reviews
Statistics
Surveys
Techniques
Utilization
*Weeds

*Terms used to index records that do not refer to specific plants or chemicals.

AUTHOR INDEX

All authors of each paper are indexed alphabetically by surname. Variants of surnames are also indexed.

A TYPICAL RECORD

1) Abstract No.
2) Authors
3) English translation of title
4) Title
5) Journal or other document
6) (Year) Volume (Part) pages
7) Language of text, any other language of summary
8) Address of first author
9) Abstract
10) Preferred name, if the author uses another name.

2811 SCHAAFSMA, A.H.; ROTTEVEEL, K. [Control of *Prunus* with a clearing saw/sprayer combination.] Prunus-bestrijding met behulp van bosmaaiersproeiers. *Nederlands Bosbouwtijdschrift* (1989) 61 (4) 122-125 [Nl, en] Vakgroep Bosbedrijfskunde, 'De Dorschkamp', Wageningen, Netherlands.

Two sprayers, the Enso and the Folsche, mounted on a Husqvarna clearing saw, were tested in second control operations in a *Pinus nigra* stand in the Netherlands heavily infested with *Prunus serotina*. Roundup [glyphosate] was used as the herbicide. In the first trial, glyphosate was applied in May and results were evaluated in Oct. Regrowth was 44 and 31% for Enso and Folsche respectively. The results were not strictly comparable, Enso being poorly suited to sprouts >25 mm diam., and Folsche missing many of the smaller sprouts, taking more time and using more herbicide.

The title should be read as an integral part of the abstract.

Unless otherwise stated, rates of application for growth-regulator herbicides such as 2,4-D, MCPA, fenoprop, dalapon, the benzoics etc. are given as the acid equivalent. Rates for other herbicides such as ureas, carbamates, triazines etc. are given as the active ingredient. Rates for the bipyridyls refer to the cation only.

TO OBTAIN A COPY OF THE ORIGINAL ITEM

Use the CAB International Document Delivery Service. A form is printed in this issue.

LIST OF JOURNALS CITED

The annual indexes include an alphabetical list of all journals cited during the year.

ABBREVIATIONS

A number of easily understood abbreviations are used (e.g. sp., species). The following are also used.

a.e.	acid equivalent	ED	effective dose	pre-em.	pre-emergence
a.i.	active ingredient	EM	electron microscope	RH	relative humidity
conc.	concentrated	FW	fresh weight	SEM	scanning electron microscope
concn	concentration(s)	LC	lethal concentration		
DM	dry matter	LD	lethal dose	ULV	ultralow volume
DW	dry weight	OM	organic matter	w.p.	wettable powder
e.c.	emulsifiable concentrate	post-em.	post-emergence		

In abbreviations for languages an initial capital denotes the language of the paper, an initial small letter the language of the summary:

Af	Afrikaans	En	English	Ja	Japanese	Pt	Portuguese
Al	Albanian	Eo	Esperanto	Ko	Korean	Ro	Romanian
Ar	Arabic	Es	Spanish	La	Latin	Ru	Russian
Az	Azerbaijani	Fi	Finnish	Li	Lithuanian	Sh	Serbo-Croat (either script)
Be	Byelorussian (White Russian)	Fr	French	Lv	Latvian		
		Gr	Greek	Ma	Macedonian	Sk	Slovak
Bg	Bulgarian	He	Hebrew	My	Malay and Bahasa Malaysia	Sn	Slovene
Ch	Chinese	Hu	Hungarian			Sv	Swedish
Cs	Czech	Ia	Interlingua	Nl	Dutch, Flemish	Ta	Tajik
Da	Danish	In	Indonesian	No	Norwegian	Tr	Turkish
De	German	Is	Icelandic	Pe	Persian	Uk	Ukrainian
Ee	Estonian	It	Italian	Pl	Polish		

CAB International Division of Crop Protection and Genetics
How the crop protection abstract journals are compiled

Review of Agricultural Entomology
Review of Plant Pathology
Nematological Abstracts
Weed Abstracts

Their purpose

These four journals are designed to keep readers in touch with developments in the crop protection sciences, by abstracting the more important world scientific literature and by publishing review articles. A calendar of crop protection events is included. The abstracts are intended to be full enough for readers to decide whether they need to see the original documents.

The scale and diversity of the agricultural source literature

Over 10,000 journals and other serial publications on agriculture and allied disciplines are received regularly by CAB International; these comprise more than 50,000 documents annually. Over 3000 books and other non-serials are also received each year. Publications are received from some 150 countries, in more than 50 languages. Even though English is increasingly the international language of science, some 40% of the literature is in other languages.

Scanning and abstracting the source literature of crop protection

All these documents are scanned by CABI subject specialists and are available to the CABI Division of Crop Protection and Genetics. About 3000 journals, and numerous new books, are scanned regularly in the Division whose staff includes specialists in entomology, plant pathology, nematology, weed science, plant genetics and also linguists.

These specialists identify items within the scope of the four crop protection journals – broadly, scientific documents about agriculturally significant pests (invertebrates, plant pathogens and weeds), beneficial organisms, and relevant crop protection practices and products.

For each item, a record is created consisting of:
- bibliographic information
- an abstract, in English
- subject coding
- index terms.

The CAB ABSTRACTS database

These records are added to the CAB ABSTRACTS bibliographic database. This machine-readable database contains all records published since 1973 in about 50 CABI abstract journals. The total of over 2 million records is growing by more than 150,000 new records per year, of which more than 20,000 per year are on crop protection. The database is available to users for retrospective retrieval and for maintaining current awareness of literature on defined topics. See separate page, and inside back cover.

The crop protection abstract journals

At intervals, relevant records newly added to the database are selected and become the basis for a new issue of one of the crop protection journals. Records are sorted into a standard sequence within each journal issue, according to subject matter. An author index and a subject index are generated. Cumulative indexes are generated at the end of each year.

Scientific links

Each of the four crop protection journals has its own international Editorial Advisory Board of subject specialists. Their members advise on the content and development of the journals, and commission review articles of topical interest.

The CABI Division of Crop Protection and Genetics maintains close contact with the International Institute of Entomology (IIE), the International Mycological Institute (IMI), the International Institute of Parasitology (IIP) and the International Institute of Biological Control (IIBC). These links are especially important in providing the authority for the preferred names of pest organisms used in the journal indexes. IIBC is responsible for compiling the related abstract journal *Biocontrol News and Information*.

The Division of Crop Protection and Genetics is also in close contact with subject specialists in the four other Divisions of the CABI Information Services who compile 45 abstract journals covering the rest of agriculture, forestry and allied disciplines. Comments from users are always welcome. Please write to Mr Geoffrey A. Viney, Division of Crop Protection and Genetics, CAB International, Wallingford, Oxon OX10 8DE, UK.

Retrieving records on crop protection from the CAB ABSTRACTS database

The CAB ABSTRACTS database gives access to all records published since 1973 in *Review of Plant Pathology, Review of Agricultural Entomology, Nematological Abstracts, Weed Abstracts, Biocontrol News and Information* and the other CAB International abstract journals.

The database provides a powerful tool for retrieving:

- records from any one of the CONTENTS headings or their subdivisions (more than 200 subdivisions are explained in *CAB ABSTRACTS Online Manual*).
- records containing, for example:
  - an author's name
  - a plant name
  - a pest name (invertebrate, plant pathogen or weed)
  - a country name
  - a vector name
  - the name of a beneficial organism
  - an agrochemical name
  - a journal name
  - any chosen word or phrase (including any index phrase)
  - any combination of these.

Retrieval can be:

- ONLINE, using a personal computer or terminal, linked to the telephone system. Output can be printed and mailed to you or, subject to certain conditions, downloaded for local processing.
- From CD-ROM. CAB ABSTRACTS data for 1984–1991 are available on CD-ROM.
- By CAB International, who can hold a profile of your interests and send you relevant records on paper or on floppy disks. This can be done once or as a regular monthly service.

Further information is available from any of the CAB International offices.

Full particulars of online hosts are given in the CAB International Information Services Catalogue, available free on request.

Three database guides of particular interest to users of the CAB ABSTRACTS database are:

- *CAB ABSTRACTS Online Manual*, 1989 Edition. A detailed guide to online retrieval.
- *CAB Thesaurus*, 1990 Edition. A hierarchical list of terms used in indexing all the 50 CAB International abstract journals and the AGRICOLA database of the National Agricultural Library of the USA.
- *CAB International Serials Checklist*, 1988. A list of all titles regularly scanned by CAB International.

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Many other serials were scanned during 1991 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition.* The publication includes ISSNs and publishers' addresses.

A Nehézvegyipari Kutató Intézet Közleményei
Abstracts on Cassava
ACIAR Technical Reports Series
ACS Symposium Series
Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Agriculturæ Scandinavica
Acta Agriculturae Nucleatae Sinica
Acta Agriculturae Shanghai
Acta Agrobotanica
Acta Agronomica Hungarica
Acta Biologica Hungarica
Acta Biotechnologica
Acta Botanica Croatica
Acta Botanica Indica
Acta Botanica Neerlandica
Acta Botanica Sinica
Acta Facultatis Rerum Naturalium Universitatis Comenianae, Genetica
Acta Facultatis Rerum Naturalium Universitatis Comenianae, Physiologia Plantarum
Acta Horticulturae
Acta Hydrochimica et Hydrobiologica
Acta Oecologica
Acta Oecologica, Oecologia Applicata
Acta Ovariensis
Acta Phytotaxonomica Sinica
Acta Průhoniciana
Acta Universitatis Agriculturae, Facultas Agronomica
Actes et Communications - Économie et Sociologie Rurales, Institut National de la Recherche Agronomique
Advances in Agronomy
Advances in Plant Sciences
Advances in Soil Science
Adverse Drug Reactions and Acute Poisoning Reviews
Aerobiologia
Agricoltura Mediterranea
Agricoltura Ricerca
Agricultura (Madrid)
Agricultura Técnica (Santiago)
Agricultural and Biological Chemistry
Agricultural Economic Report - Economic Research Service, US Department of Agriculture
Agricultural Research (Washington)
Agricultural Research Review
Agricultural Resources Situation and Outlook Report
Agricultural Reviews (Karnal)
Agricultural Science Digest (Karmal)
Agricultural Situation in India
Agricultural Systems
Agricultural Water Management
Agriculture (Montréal)
Agriculture and Horticulture
Agriculture Information Bulletin - United States Department of Agriculture
Agriculture International
Agriculture, Ecosystems & Environment
Agro-Ciencia
Agro-Industry Hi-Tech
Agrochémia
Agrochimica
Agroforestry Systems
Agrokhimiya
Agronomía Costarricense
Agronomía Tropical (Maracay)
Agronomie
Agronomy Journal
AIAS Occasional Publication
Alafua Agricultural Bulletin
Alexandria Journal of Agricultural Research
All Africa Press Service, Science and Technology Features Services
Allgemeine Forstzeitschrift
AMA, Agricultural Mechanization in Asia, Africa and Latin America
Amazoniana
American Fruit Grower
American Journal of Alternative Agriculture
American Journal of Botany
American Journal of Industrial Medicine
American Journal of Veterinary Research
American Midland Naturalist
American Naturalist
American Nurseryman
American Potato Journal
Anais, Reunião da Cultura do Arroz Irrigado
Analele Institutului de Cercetări pentru Cereale şi Plante Tehnice, Fundulea
Anales de Biología
Anales del Instituto de Biología. Serie Botánica
Anales del Jardín Botánico de Madrid
Analyst
Analytica Chimica Acta
Analytical Chemistry (Washington)
Analytical Letters
Analytical Methods for Pesticides and Plant Growth Regulators
Angewandte Botanik
Animal Behaviour
Annales des Sciences Naturelles, Botanique et Biologie Végétale
Annals of Agricultural Research
Annals of Agricultural Science
Annals of Applied Biology
Annals of Botany
Annals of the Entomological Society of America
Annals of Warsaw Agricultural University SGGW-AR, Horticulture
Annual Research Report - Institute for Commercial Forestry Research
Apicoltore Moderno
Applied Agricultural Research
Applied and Environmental Microbiology
Applied Animal Behaviour Science
Applied Engineering in Agriculture
Applied Ergonomics
Applied Microbiology and Biotechnology
Aquatic Botany
Aquatic Toxicology
Arab Journal of Plant Protection
Arastırma Yayınları Serisi Yayın
Arboriculture Research Note - Department of the Environment
Archiv für Acker- und Pflanzenbau und Bodenkunde
Archiv für Gartenbau
Archiv für Hydrobiologie
Archiv für Phytopathologie und Pflanzenschutz
Archives Internationales de Physiologie et de Biochimie
Archives of Biochemistry and Biophysics
Archives of Environmental Contamination and Toxicology
Archives of Environmental Health
Archives of Microbiology
Archives of Toxicology
Arkansas Farm Research
Arroz
Arroz en las Américas
Asian Environment
Asparagus Research Newsletter
Aspects of Applied Biology
Assiut Journal of Agricultural Sciences
Australasian Plant Pathology
Australian Entomological Magazine
Australian Forestry
Australian Journal of Agricultural Research
Australian Journal of Botany
Australian Journal of Experimental Agriculture
Australian Journal of Plant Physiology
Australian Journal of Soil and Water Conservation
Australian Journal of Soil Research
Australian Journal of Soil Science
Australian Journal of Zoology
Australian Veterinary Journal

Bangladesh Journal of Agriculture
Bangladesh Journal of Botany
Bano Biggyan Patrika
BCPC Monograph
Beiträge zur Biologie der Pflanzen
Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Beretning - Statens Planteavlsforsøg og Statens Husdyrbrugsforsøg
Beretning fra fællesudvalget for Statens Planteavlsforsøg Husdyrbrugsforsøg
Berichte aus dem Fachgebiet Herbologie der Universität Hohenheim
Berichte über Landwirtschaft
Besseres Obst
Bharatiya Sugar
Bibliographie der Pflanzenschutzliteratur
Bibliographies and Literature of Agriculture
Bio/Technology
Biochemical Pharmacology
Biochemical Systematics and Ecology
Biochemie und Physiologie der Pflanzen
Biochemistry (New York)
Biochemistry (Washington)
Biochemistry International
Biochimica et Biophysica Acta, Bioenergetics
Biodegradation
BioEssays
Biofactors
Biofutur
Biológia (Bratislava)
Biologia Plantarum
Biological Agriculture & Horticulture
Biological Journal of the Linnean Society
Biological Mass Spectrometry
Biological Reviews of the Cambridge Philosophical Society
Biological Wastes
Biologicheskiĭ Zhurnal Armenii
Biológico
Biologisches Zentralblatt
Biology and Fertility of Soils
Biology Bulletin of the Academy of Sciences of the USSR
Biomass
Biomedical and Environmental Sciences
Biotech Forum Europe
Biotechnic & Histochemistry
Biotechnology Advances
Biotechnology and Bioengineering
Biotechnology Letters
Biotechnology Techniques
Biotronics
BIOTROP Special Publication
BIOTROPIA
Biovigyanam
Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
Biuletyn Warzywniczy
Bodenkultur
Boletim da Sociedade Broteriana
Boletim de Pesquisa Empresa de Pesquinsa Agropecuária do Ceará
Boletim de Pesquisa Florestal
Boletín de Divulgacion Tecnica, INTA
Boletín de Reseñas - Arroz
Boletín Genético (Castelar)
Boletín INICA
Boletín Técnico - Estación Experimental Agropecuaria, Balcarce
Bollettino del Laboratorio di Entomologia Agraria 'Filippo Silvestri'
Bollettino dell'Istituto di Entomologia "Guido Grandi" della Università degli Studi di Bologna
Bollettino di Zoologia
Bollettino di Zoologia Agraria e di Bachicoltura
Bosque
Botanica Acta
Botanica Helvetica
Botanical Gazette (Chicago)
Botanical Magazine, Tokyo
Botanical Review
Botanicheskiĭ Zhurnal
Bragantia
British Journal of Entomology and Natural History
British Journal of Industrial Medicine
British Standard
British Sugar Beet Review
Brittonia
BSES Bulletin
Buletin Penelitian Hortikultura
Buletin Penelitian Hutan
Buletin Penelitian Kehutanan
Buletin Perkebunan
Buletini i Shkencave Zooteknike e Veterinare
Bulletin & Annales de la Société Royale Belge d'Entomologie
Bulletin CETIOM
Bulletin de l'OIV
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Bulletin du Muséum National d'Histoire Naturelle. Section B, Adansonia
Bulletin OEPP
Bulletin of Entomological Research
Bulletin of Environmental Contamination and Toxicology
Bulletin of Faculty of Agriculture, University of Cairo
Bulletin of Taichung District Agricultural Improvement Station
Bulletin of the Agricultural Chemicals Inspection Station, Tokyo
Bulletin of the Chiba-ken Agricultural Experiment Station
Bulletin of the Irish Biogeographical Society
Bulletin of the Torrey Botanical Club
Bulletin SROP
Byulleten' Glavnogo Botanicheskogo Sada
Cahier des Journées Horticoles Ornementales
California Agriculture
Canadian Entomologist
Canadian Journal of Botany
Canadian Journal of Fisheries and Aquatic Sciences
Canadian Journal of Forest Research
Canadian Journal of Microbiology
Canadian Journal of Plant Pathology
Canadian Journal of Plant Science
Canadian Journal of Soil Science
Canadian Journal of Zoology
Canadian Plains Studies
Canadian Plant Disease Survey
Časopis Slezského Muzea, Série, Vědy Přírodní
Ceiba
Cell (Cambridge)
Cell Biology International Reports
Centro Agrícola
Cercetări Agronomice în Moldova
Cereal Chemistry
Chemical and Pharmaceutical Bulletin
Chemical Regulation of Plants
Chemical Speciation and Bioavailability
Chemico-Biological Interactions
Chemistry and Industry (London)
Chemistry and Physics of Lipids
Chemistry Express
Chemistry of Natural Compounds
Chemosphere
Chinese Journal of Biological Control
Chung-Ang Journal of Medicine
Ciencia e Investigación Agraria
Ciencia e Investigación Forestal
Ciencia y Técnica en la Agricultura, Café y Cacao
Ciencia y Teécnica en la Agricultura, Protección de Plantas
Científica (Jaboticabal)
Circular Técnica - Centro Nacional de Pesquisa de Trigo
Circular Técnica - Unidade de Execução de Pesquisa de Âmbito Estadual de Dourados
Clay Research
Clays and Clay Minerals
Clinica Chimica Acta
Colección Medio Rural, Serie Agricultura
Collection of Czechoslovak Chemical Communications
Combined Proceedings - International Plant Propagators' Society
Comments on Agricultural and Food Chemistry
Committee Paper - Sugar Beet Research and Education Committee
Communications in Soil Science and Plant Analysis
Comparative Physiology and Ecology
Compte Rendu des Essais - Union Nationale Interprofessionnelle des Légumes Transformés
Comptes Rendus de l'Academie Bulgare des Sciences
Comptes Rendus de l'Académie des Sciences. Series 3, Sciences de la Vie
Comunicado Técnico - Unidade de Execução de Pesquisa de Âmbito Estadual de Porto Velho
Comunicado Técnico - Unidade de Execução de Pesquisa de Âmbito Territorial de Porto Velho
Comunicado Técnico, UEPAE Boa Vista
Congrès d'Hiver - Institut International de Recherches
Contact Dermatitis
Cooperative Sugar
Coton et Fibres Tropicales
Critical Reviews in Plant Sciences
Crop Production Series
Crop Protection
Crop Research (Edinburgh)
Crop Research (Hisar)
Crop Science
Crops State of the Art and Abstract Bibliography Series
Cruciferae Newsletter
Cultivar (Paris)
Cultivos Tropicales
Current Microbiology
Current Nematology
Current Research - University of Agricultural Sciences (Bangalore)
Current Science
Cutis (New York)

Cytobios
Cytologia
Darwiniana
Défense des Végétaux
Deutsche Baumschule
Deutscher Gartenbau
Developments in Industrial Microbiology
Difesa delle Piante
Discovery and Innovation
Dissertation Abstracts International. B, Sciences and Engineering
DLG-Mitteilungen
Documentos - Centro de Pesquisa Agropecuária do Trópico Semi-Árido, EMBRAPA
Documentos - Centro de Pesquisa Agropecuária do Trópico Úmido
Documentos - Centro Nacional de Pesquisa de Soja, EMBRAPA
Documentos - Centro Nacional de Pesquisa de Trigo
Documentos - Empresa de Pesquisa Agropecuária do Estado de Mato Grosso
Doğa, Türk Biyoloji Dergisi
Doğa, Türk Botanik Dergisi
Doğa, Türk Tarım ve Ormancılık Dergisi
Doklady Akademii Nauk Ukrainskoĭ SSR, Seriya B, Geologičeskie, Himičeskie i Biologičeski Nauki
Doklady, Biological Sciences
Doklady, Botanical Sciences
Drug Safety
Ecological Entomology
Ecological Modelling
Ecological Monographs
Ecological Research
Ecology
Economic Botany
Ecotoxicology and Environmental Safety
Edinburgh Journal of Botany
Egyptian Journal of Agronomy
Egyptian Journal of Horticulture
Egyptian Journal of Microbiology
Egyptian Journal of Pharmaceutical Sciences
Egyptian Journal of Physiological Sciences
Eisei Kagaku = Japanese Journal of Toxicology and Environmental Health
Ekologia Polska
Élelmezési Ipar
EMBO Journal
Entomologia Generalis
Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg
Entomologist's Gazette
Entomologist's Monthly Magazine
Entomon
Entomophaga
Environment International
Environmental and Experimental Botany
Environmental and Molecular Mutagenesis
Environmental Entomology
Environmental Management
Environmental Pollution
Environmental Science & Technology
Environmental Technology
Environmental Toxicology and Chemistry
Environmental Toxicology and Water Quality
Epidemiologic Reviews
Erwerbsobstbau
Ethiopian Journal of Agricultural Sciences
Euphytica
EUR Report
European Journal of Biochemistry
European Journal of Forest Pathology
European Patent
Evolution
Evolutionary Ecology
Evolutionary Trends in Plants
Experimental & Applied Acarology
Experimental Agriculture
Experimental Pathology
Extension Bulletin - Cooperative Extension, College of Agriculture & Home Economics, Washington State University
FABIS Newsletter
Fagopyrum
FAO Plant Production and Protection Paper
FAO Plant Protection Bulletin
Farm Chemicals
Farm Chemicals International
Farmers' Newsletter, Large Area
Farming in South Africa
FASEB Journal
FAT-Berichte, Switzerland
Fauna Norvegica, B
FEBS Letters
Feddes Repertorium
FEMS Microbiology Letters
Field Crops Research
Fiziologiya i Biokhimiya Kul'turnykh Rasteniĭ
Fiziologiya na Rasteniyata
Fiziologiya Rasteniĭ
Flora (Jena)
Florida Entomologist
Folia Entomologica Hungarica
Food Additives and Contaminants
Food and Agricultural Immunology
Food and Chemical Toxicology
Forest Ecology and Management
Forest Genetic Resources Information
Forest Pest and Disease
Forest Science
Forest Science and Technology
Forestry & British Timber
Forestry Chronicle
Forestry Commission Bulletin
Forestry Research Report - Agricultural Experiment Station, University of Illinois
Forst und Holz
Fragmenta Herbologica Jugoslavica
Fresenius' Zeitschrift für Analytische Chemie
FRI Bulletin
Fruit Belge
Fruitteelt (Den Haag)
Frustula Entomologica
Functional Ecology
Fundamental and Applied Toxicology
Gartenbau
Gemüse (München)
Gene
General Technical Report - Pacific Southwest Forest and Range Experiment Station, USDA Forest Service
Genes & Development
Genetic Engineer and Biotechnologist
Genetics
Geoderma
GeoJournal
Gesunde Pflanzen
Gewasbescherming
Grana
Grass and Forage Science
Great Basin Naturalist
Great Lakes Entomologist
Ground Water
Groundnut News
Gujarat Agricultural University Research Journal
Haryana Agricultural University Journal of Research
Haryana Journal of Agronomy
Haryana Journal of Horticultural Sciences
Hassadeh
Hazardous Waste and Hazardous Materials
Hercynia
Heredity
Highlights of Agricultural Research in Ontario
Highlights of Agricultural Research, Alabama Agricultural Experiment Station
Histochemistry (Berlin)
Horti Sul
Horticulture Française
Horticulture in New Zealand
HortScience
Human & Experimental Toxicology
Hungarian Agricultural Engineering
Hydrobiologia
IAR Newsletter of Agricultural Research
IDRC Reports
Ikonomika i Upravlenie na Selskoto Stopanstvo
Ikushugaku Zasshi = Japanese Journal of Breeding
IMPACT AgBiobusiness
Indian Agriculturist
Indian Cocoa, Arecanut and Spices Journal
Indian Forester
Indian Journal of Agricultural Research
Indian Journal of Agricultural Sciences
Indian Journal of Agronomy
Indian Journal of Animal Nutrition
Indian Journal of Animal Sciences
Indian Journal of Applied and Pure Biology
Indian Journal of Experimental Biology
Indian Journal of Forestry
Indian Journal of Horticulture
Indian Journal of Nematology
Indian Journal of Plant Physiology
Indian Journal of Plant Protection
Indian Journal of Weed Science
Indian Perfumer
Indian Phytopathology
Indian Review of Life Sciences
Indian Sugar

Industrial and Engineering Chemistry Research
Industrie Alimentari
INFORM - International News on Fats, Oils and Related Materials
Information Report - Great Lakes Forestry Centre, Canadian Forestry Service
Informatore Agrario
Informatore Fitopatologico
Informe Agropecuário
Informe de Pesquisa - Instituto Agronômico do Paraná
Insect Knowledge
Insect Science and its Application
Institute of Botany, Academia Sinica Monograph Series
International Arachis Newsletter
International Archives of Occupational and Environmental Health
International Biodeterioration
International Chickpea Newsletter
International Journal of Ecology and Environmental Sciences
International Journal of Environmental Analytical Chemistry
International Journal of Tropical Agriculture
International Nematology Network Newsletter
International Rice Research Newsletter
International Tree Crops Journal
Internationale Agrarindustriezeitschrift
Internationale Revue der Gesamten Hydrobiologie
Internationale Zeitschrift der Landwirtschaft
Invertebrate Taxonomy
Investigación Agraria, Producción y Protección Vegetales
Investigación Agrícola
Iran Agricultural Research
Irish Naturalists' Journal
IRRI Research Paper Series
Israel Journal of Botany
ITEA, Información Técnica Económica Agraria
Izvestiya Akademii Nauk Moldavskoĭ SSR. Biologicheskie i Khimicheskie Nauki
Izvestiya Akademii Nauk SSSR, Seriya Biologicheskaya
Izvestiya Akademii Nauk SSSR. Seriya Biologicheskaya
Izvestiya Akademii Nauk Turkmenskoĭ SSR. Seriya Biologicheskikh Nauk
Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSR. Seriya Biologicheskikh Nauk
Izvestiya Vysshikh Uchebnykh Zavedenii, Lesnoĭ Zhurnal
JAMA, Journal of the American Medical Association
Japanese Journal of Genetics
Jiangsu Agricultural Sciences
Journal - American Society of Sugar Cane Technologists
Journal - Association of Official Analytical Chemists
Journal - Water Pollution Control Federation
Journal de Toxicologie Clinique et Expérimentale
Journal of Agricultural and Food Chemistry
Journal of Agricultural Ethics
Journal of Agricultural Research (Lahore)
Journal of Agricultural Science
Journal of Agricultural Science in Finland
Journal of Agricultural Sciences, King Saud University
Journal of Agriculture and Forestry
Journal of Agriculture of the University of Puerto Rico
Journal of Agriculture, Western Australia
Journal of Agronomy and Crop Science
Journal of Analytical Chemistry of the USSR
Journal of Analytical Toxicology
Journal of Antibiotics
Journal of Applied Ecology
Journal of Applied Entomology
Journal of Applied Ichthyology
Journal of Applied Seed Production
Journal of Aquatic Plant Management
Journal of Arboriculture
Journal of Bacteriology
Journal of Biogeography
Journal of Biological Chemistry
Journal of Biological Control
Journal of Biological Science Research
Journal of Biotechnology
Journal of Chemical Ecology
Journal of Chromatographic Science
Journal of Chromatography
Journal of Chromatography, Biomedical Applications
Journal of Comparative Pathology
Journal of Contaminant Hydrology
Journal of Controlled Release
Journal of Ecology (Beijing)
Journal of Ecology (Oxford)
Journal of Economic Entomology
Journal of Entomological Science
Journal of Environmental Biology
Journal of Environmental Engineering (New York)
Journal of Environmental Health
Journal of Environmental Horticulture
Journal of Environmental Quality
Journal of Environmental Science and Health. Part B, Pesticides, Food Contaminants, and Agricultural Wastes
Journal of Experimental Biology
Journal of Experimental Botany
Journal of Farming Systems
Journal of Fermentation and Bioengineering
Journal of Food Protection
Journal of Genetics & Breeding
Journal of High Resolution Chromatography
Journal of Hydrology (Amsterdam)
Journal of Industrial Microbiology
Journal of Insect Physiology
Journal of Invertebrate Pathology
Journal of Japanese Botany
Journal of King Saud University, Agricultural Sciences
Journal of Liquid Chromatography
Journal of Maharashtra Agricultural Universities
Journal of Natural Products
Journal of Nematology
Journal of Oilseeds Research
Journal of Pesticide Reform
Journal of Pesticide Science
Journal of Pharmacology and Experimental Therapeutics
Journal of Phytological Research
Journal of Phytopathology
Journal of Planar Chromatography
Journal of Plant Growth Regulation
Journal of Plant Nutrition
Journal of Plant Physiology
Journal of Plantation Crops
Journal of Production Agriculture
Journal of Range Management
Journal of Research, Birsa Agricultural University
Journal of Research, Punjab Agricultural University
Journal of Root Crops
Journal of Scientific Industrial Research
Journal of Seed Technology
Journal of Soil and Water Conservation
Journal of the Adelaide Botanic Gardens
Journal of the American Mosquito Control Association
Journal of the American Society for Horticultural Science
Journal of the American Veterinary Medical Association
Journal of the Australian Entomological Society
Journal of the Entomological Society of British Columbia
Journal of the Entomological Society of Southern Africa
Journal of the Faculty of Agriculture, Hokkaido University
Journal of the Indian Society for Cotton Improvement
Journal of the Indian Society of Soil Science
Journal of the Institute of Agriculture and Animal Science, Nepal
Journal of the Institution of Water and Environmental Management
Journal of the Japanese Forestry Society
Journal of the Korean Society of Grassland Science
Journal of the Mississippi Academy of Sciences
Journal of the National Cancer Institute
Journal of the New York Entomological Society
Journal of Theoretical Biology
Journal of Toxicology - Cutaneous and Ocular Toxicology
Journal of Toxicology and Environmental Health
Journal of Toxicology, Clinical Toxicology
Journal of Tropical Ecology
Journal of Tropical Forest Science
Journal of Tropical Forestry
Kagawa Daigaku Nogakubu Gakuzyutu Hokoko = Technical Bulletin of the Faculty of Agriculture, Kagawa University
Karnataka Journal of Agricultural Sciences
Kartofel' i Ovoshchi
Kenya Coffee
Kew Bulletin
Kexue Tongbao = Chinese Science Bulletin
Khimizatsiya Sel'skogo Khozyaĭstva
Kinderärztliche Praxis
Kirkia
Korean Journal of Animal Sciences
Korean Journal of Crop Science
Korean Journal of Entomology
Kormovye Kul'tury
KTBL-Arbeitspapier
Kukuruza i Sorgo
Kulturpflanze
Lake and Reservoir Management
Lancet (British edition)
Landbauforschung Völkenrode
Landbouwmechanisatie
Landtechnik
Lavoura Arrozeira
Legume Research
Lens
Les Monde des Plantas
Lesnaya Promyshlennost'
Lesnoe Khozyaĭstvo
Lesovodstvo i Agrolesomelioratsiya

Letters in Applied Microbiology
Lietjuvos TSR Mokslų Akademijos Darbai, C Serija, Biologijos Mokslai
Lipids
Louisiana Agriculture
Madras Agricultural Journal
Magyar Állatorvosok Lapja
Maize Genetics Cooperation News Letter
Malezas
Manejo Integrado de Plagas
MARDI Research Journal
Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent
Mededelingen van het Centrum voor Onkruidonderzoek, Gent
Medical Science Research
Mekhanizatsiya i Élektrifikatsiya Sel'skogo Khozyaĭstva
Memoirs of the Faculty of Agriculture of Kinki University
Menara Perkebunan
Metodiky pro Zavádění Výsledků Výzkumu do Zemědělské Praxe
Mezinárodní Zemědělsko-průmyslový Časopis
Mezinárodní Zemědělsko-průmyslový Časopis
Microbial Ecology
Microbiology (New York)
Microbios Letters
Mikrobiologicheskiĭ Zhurnal
Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft Berlin-Dahlem
Mitteilungen der Deutschen Bodenkundlichen Gesellschaft
Mitteilungen der Gesellschaft für Pflanzenbauwissenschaften
Molecular and General Genetics
Molecular Immunology
Monde des Plantes
Monografía - Instituto Superior de Ciencias Agropecuarias de La Habana, 'Fructuoso Rodríguez Pérez'
Monograph - British Crop Protection Council
Montana AgResearch
Moscow University Soil Science Bulletin
Mutagenesis
Mutation Breeding Newsletter
Mutation Research, Genetic Toxicology Testing
Mycological Research
Mycotaxon
Mysore Journal of Agricultural Sciences
Nachrichtenblatt des Deutschen Pflanzenschutzdienstes
Nachrichtenblatt für den Pflanzenschutz in der DDR
Nachrichtenblatt Pflanzenschutz
Nahrung
Nara Kyoiku Daigaku Kiyo, Shizen Kagaku = Bulletin of Nara University of Education, Natural Science
National Academy Science Letters
Naturaliste Canadien
Nature (London)
Naturwissenschaften
Nauchno-Tekhnicheskiĭ Byulleten', VASKhNIL, Sibirskoe Otdelenie, Sibirskiĭ Nauchno-Issledovatel'skiĭ Institut Sel'skogo Khozyaĭstva
Nauka u Praksi
Nematologia Mediterranea
Nematologica
Neoplasma
Netherlands Journal of Agricultural Science
New Agriculturist
New Farmer and Grower
New Forests
New Phytologist
New Scientist
New Zealand Entomologist
New Zealand Journal of Agricultural Research
New Zealand Journal of Botany
New Zealand Journal of Crop and Horticultural Science
New Zealand Journal of Ecology
New Zealand Journal of Experimental Agriculture
New Zealand Journal of Forestry Science
New Zealand Journal of Marine and Freshwater Research
NFT Highlights
Nigerian Journal of Botany
Nigerian Journal of Weed Science
Nordic Journal of Botany
Norsk Landbruksforsking
North Dakota Farm Research
Northern Journal of Applied Forestry
Northwest Science
Növényvédelem
Nucleic Acids Research
OARDC Special Circular - Ohio Agricultural Research and Development Center
Obiettivi e Documenti Veterinari
Occasional Paper - Forestry Commission
Occasional Paper - National Horticultural Research Institute, Ibadan
Oecologia
Ohio Journal of Science
Oikos
Opera Botanica
Options Méditerranéennes. Série A, Séminaires Méditerranéens
Organic Mass Spectrometry
Orissa Journal of Agricultural Research
Országos Szabvanyú (MSZ)
Oryza
Outlook on Agriculture
PAC Occasional Paper - Pakhribas Agricultural Centre
Pakistan Journal of Agricultural Social Sciences
Pakistan Journal of Botany
Pakistan Journal of Forestry
Pamiętnik Puławski
Pan-Pacific Entomologist
Paper - American Society of Agricultural Engineers
Pastos y Forrajes
Pasturas Tropicales
Peanut Science
Pennsylvania Fruit News
Penyakit Hewan
Perkin Transactions I
Perspectives Agricoles
Pertanika
Pesquisa Agropecuária Brasileira
Pesquisa em Andamento - Empresa de Pesquisa Agropecuária de Estado de Mato Grosso
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Pesticide Outlook
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Pesticides (Bombay)
Pflanzenschutz (Wien)
Pflanzenschutz-Nachrichten Bayer (English ed.)
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Photosynthetica
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Phytocoenologia
Phytoma
Phytomorphology
Phyton (Buenos Aires)
Phytoparasitica
Phytopathologia Mediterranea
Phytopathology
Phytophylactica
Plant and Cell Physiology
Plant and Soil
Plant Breeding Abstracts
Plant Cell
Plant Cell Reports
Plant Cell, Tissue and Organ Culture
Plant Disease
Plant Growth Regulation
Plant Molecular Biology
Plant Pathology Circular (Gainesville)
Plant Pathology Newsletter
Plant Physiology
Plant Physiology & Biochemistry (New Delhi)
Plant Physiology and Biochemistry (Paris)
Plant Protection News
Plant Protection Quarterly
Plant Science (Limerick)
Plant Systematics and Evolution
Plant, Cell and Environment
Planta
Planta Medica
Planter
Planters' Bulletin Rubber Research Institute of Malaysia
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Pochvoznanie i Agrokhimiya
Polish Ecological Studies
Poultry Science
Power Farming, UK
Prace Istytutu Sadownicta i Kwiaciarstwa w Skierniewicach. Seria B, Rośliny Ozdobne
Prairie Naturalist
Pratacultural Science
Preslia
Probleme de Agrofitotehnie Teoretică şi Aplicată
Proceedings - Annual Meeting, Massachusetts Fruit Growers' Association Inc.
Proceedings - West Indies Sugar Technologists' Conferences
Proceedings of Faculty of Agriculture, Kyushu Tokai University
Proceedings of the Entomological Society of Washington
Proceedings of the Florida State Horticultural Society

Proceedings of the Indian Academy of Sciences, Animal Sciences
Proceedings of the Indian Academy of Sciences, Plant Sciences
Proceedings of the Indian National Science Academy. Part B, Biological Sciences
Proceedings of the Interamerican Society for Tropical Horticulture
Proceedings of the National Academy of Sciences of the United States of America
Proceedings of the New Zealand Grassland Association
Proceedings of the Nova Scotian Institute of Science
Proceedings of the Oklahoma Academy of Science
Proceedings of the Western Society of Weed Science
Producţia Vegetală, Cereale şi Plante Tehnice
Professional Horticulture
Progrès Agricole et Viticole
Progress in Clinical and Biological Research
Progress in Pesticide Biochemistry and Toxicology
Progress Report-Texas Agricultural Experiment Station
Progressive Farming
Progressive Fish-Culturist
Prostaglandins Leukotrienes and Essential Fatty Acids
PSP Pflanzenschutz Praxis
Publication - Agriculture Canada (English ed.)
Publication - Division of Agriculture and Natural Resources, University of California
Publications - ICARDA, International Center for Agricultural Research in the Dry Areas
Punjab Horticultural Journal
Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists
Quarterly Newsletter - Asia and Pacific Plant Protection Commission
Queensland Agricultural Journal
Radovi Poljoprivrednog Fakulteta Univerziteta u Sarajevu
Rangelands
RAPA Publication
Rapports FAT, Switzerland
Rasteniev'dni Nauki
Recherche (Paris)
Regulated Rivers
Report of the Kyushu Branch of the Crop Science Society of Japan
Report of the North American Alfalfa Improvement Conference
Report of the Tohoku Branch, the Crop Science Society of Japan
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Research Bulletin of the Aichi-ken Agricultural Research Center
Research Bulletin of the Faculty of Agriculture, Gifu University
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Research Journal of Food and Agriculture
Research Journal of the Water Pollution Control Federation
Research Note - Forest Research Laboratory, Oregon State University
Research Report - African Rural Social Science Series
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Research Reports of the Forestry Research Institute (Seoul)
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Researches on Population Ecology
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Revista Brasileira de Fisiologia Vegetal
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Revista Chapingo
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Revista de Fruiticultura
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Revista de la Facultad de Agronomía, Universidad central de Venezuela
Revista de los CREA
Revista Forestal del Perú
Revista INICA
Revista se Protección Vegetal
Revue Agricole et Sucrière de l'Île Maurice
Revue de l'Agriculture
Revue de Nématologie
Revue Suisse de Viticulture, d'Arboriculture et d'Horticulture
Rhodora
Rivista di Agronomia
RLAC-PROVEG
Roczniki Nauk Rolniczych. Seria A, Produkcja Roślinna
Rural Research
Sabrao Journal
Sadovodstvo i Vinogradarstvo
Sakharnaya Svekla: Proizvodstvo i Pererabokta
Samaru Journal of Agricultural Research
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Sborník ÚVTIZ, Ochrana Rostlin
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Sborník Vysoké Školy Zemědělské v Praze, Fakulta Agronomická. Řada A, Rostlinná Výroba
Scandinavian Journal of Forest Research
Scandinavian Journal of Work, Environment & Health
Schweizerische Landwirtschaftliche Forschung
Schweizerische Zeitschrift für Obst- und Weinbau
Science (Washington)
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Science in China. Series B, Chemistry, Life Sciences & Earth Sciences
Science of the Total Environment
Scientia Agricultura Sinica
Scientia Agriculturae Bohemoslovaca
Scientia Horticulturae
Scientific American
Scientific Journal of Agriculture
Scripta Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis
SEAWIC Annotated Bibliography
SEAWIC Weed Leaflets
Seed Research
Seed Science Research
Sellowia
Selskostopanska Tekhnika
Semenarstvo
Serie de Documentación - Corporación Nacional de Investigación y Fomento Forestal
Sexual Plant Reproduction
Shade Tree
Shell Agriculture
Shokuhin Eiseigaku Zasshi = Journal of the Food Hygienic Society of Japan
Sibirskiĭ Vestnik Sel'skokhozyaĭstvennoĭ Nauki
Simiente
SISSTA Sugar Journal
SLZ, Schweizerische Laboratoriums-Zeitschrift
Soil & Tillage Research
Soil Biology & Biochemistry
Soil Science
Soil Science and Plant Nutrition
Soil Science Society of America Journal
Soil Use and Management
Soils and Fertilizers in Taiwan
Solutions, USA
South African Forestry Journal
South African Journal of Botany
South African Journal of Plant and Soil
South African Journal of Science
South African Sugar Journal
Southern Journal of Agricultural Economics
Southern Journal of Applied Forestry
Southwestern Entomologist
Southwestern Naturalist
Soviet Plant Physiology
Special Publication - Agricultural Research Organization, Ministry of Agriculture, Israel
Special Report - Agricultural Experiment Station, Division of Agriculture, University of Arkansas
Special Report - Forest Engineering Research Institute of Canada
Sri Lanka Journal of Tea Science
Staff Paper - Department of Agricultural and Applied Economics, University of Minnesota
Staff Report - Economic Research Service, United States Department of Agriculture
Standard de Stat
Station Bulletin - Agricultural Experiment Station, Oregon State University
Studia Botanica
Subtropicheskie Kul'tury
Sucrerie Française
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Svensk Frötidning
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Swedish Journal of Agricultural Research
Sylwan
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Systematic Entomology
Taiwan Sugar
Taxon (Oxford)
Tea
Tea Bulletin
Technical Bulletin - Cyprus Agricultural Research Institute
Technical Bulletin - Food and Fertilizer Technology Center
Technical Bulletin - National Horticultural Research Institute, Ibadan
Technical Memorandum - Division of Water Resources, Institute of Natural Resources and Environment, CSIRO
Technical Note - Kenya Forestry Research Institute
Technical Report - Water Resources Research Center, Purdue University
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Tecnica Molitoria
Tekhnicheskie Kul'tury
Tennessee Farm and Home Science
Theoretical and Applied Genetics
Tierärztliche Praxis
Tobacco International
Tohoku Journal of Experimental Medicine
Toxicity Assessment
Toxicological and Environmental Chemistry
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Toxicology and Applied Pharmacology
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Transactions of the ASAE
Transactions of the Illinois State Academy of Science
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Transactions of the Royal Society of Tropical Medicine and Hygiene
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Trends in Ecology & Evolution
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Tropical Agroecology
Tropical and Geographical Medicine
Tropical Ecology
Tropical Grasslands
Tropical Pest Management
Trudy Zoologicheskogii Institut Akademii Nauk SSSR
Türkiye Entomoloji Dergisi
Turrialba
Two and a Bud
UCLA Symposia on Molecular and Cellular Biology
Ugeskrift for Læger
Ukraïns'kiĭ Botanīchniĭ Zhurnal
United States Patent
USM College of Agriculture Research Journal
Uspekhi Sovremennoĭ Biologii
Utredning/Rapport - Nordiske Jordbrugsforskeres Forening (NJF)
Uzbekskiĭ Biologicheskiĭ Zhurnal
Växtodling
Växtskyddsrapporter, Jordbruk
Vedecké Práce Výskumného Ústavu Rastlinnej Výroby v Piešťanoch, Krmoviny
Vegetable Science
Veröffentlichungen - Bundesanstalt für Alpenländische Landwirtschaft Gumpenstein
Verslag - Centrum voor Agrobiologisch Onderzoek
Vestnik Sel'skokhozyaĭstvennoĭ Nauki (Moskva)
Vestnik Zoologii
Veterinariya (Kiev)
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Water Science and Technology
Water, Air, and Soil Pollution
Watsonia
Weed Research (Oxford)
Weed Research (Tokyo)
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Weed Technology
Weedwatcher
West Indian Medical Journal
Western Journal of Applied Forestry
Wissenschaftliche Zeitschrift der Wilhelm-Pieck-Universität Rostock, Naturwissenschaftliche Reihe
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Xenobiotica
Zarco
Zashchita Rasteniĭ (Moskva)
Zaštita Bilja
Zeitschrift für Naturforschung. Section C, Biosciences
Zeitschrift für Pflanzenernährung und Bodenkunde
Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz
Zeitschrift für Wasser- und Abwasser-Forschung
Zentralblatt für Mikrobiologie
Zeszyty Naukowe - Akademii Rolniczej w Szczecinie, Rolnictwo
Zhiwu Shengli Xuebao = Acta Phytophysiologica Sinica
Zimbabwe Journal of Agricultural Research
Zimbabwe Veterinary Journal
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Zuckerrübe

List of common names and abbreviations employed for currently used herbicides and plant growth regulators in *Weed Abstracts*

Unmarked names are those approved by the International Organization for Standardization (ISO)
An asterisk (*) signifies approval by the British Standards Institution (BSI)
A dagger (†) signifies approval by the Weed Science Society of America (WSSA) or ANSI
A plus (+) signifies trivial or unofficial names

acetochlor	2-chloro-*N*-ethoxymethyl-6′-ethylacet-*o*-toluidide
acifluorfen	5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrobenzoic acid
aclonifen	2-chloro-6-nitro-3-phenoxyaniline
acrolein*	acrylaldehyde
alachlor	α-chloro-2′,6′-diethyl-*N*-methoxymethylacetanilide
allidochlor	*N*,*N*-diallyl-2-chloroacetamide
alloxydim	methyl (*E*-(*RS*)-3-[1-(-allyloxyimino)butyl]-4-hydroxy-6,6-dimethyl-2-oxocyclohex-3-enecarboxylate
alorac	(*Z*)-2,3,5,5,5-pentachloro-4-oxopent-2-enoic acid
ametridione	1-amino-6-ethylthio-3-neopentyl-1,3,5-triazine-2,4(1*H*,3*H*)-dione
ametryn	N^2-ethyl-N^4-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
amibuzin	6-*tert*-butyl-3-dimethylamino-4-methyl-1,2,4-triazin-5(4*H*)-one
amiprofos-methyl	*O*-methyl *O*-2-nitro-*p*-tolyl isopropylphosphoramidothioate
amitrole	3-amino-1*H*-1,2,4-triazole
ancymidol	α-cyclopropyl-4-methoxy-α-(pyrimidin-5-yl)benzyl alcohol
anilofos	*S*-4-chloro-*N*-isopropylcarbaniloylmethyl *O*,*O*-dimethyl phosphorodithioate
asulam	methyl 4-aminophenylsulfonylcarbamate
atraton	N^2-ethyl-N^4-isopropyl-6-methoxy-1,3,5-triazine-2,4-diamine
atrazine	6-chloro-N^2-ethyl-N^4-isopropyl-1,3,5-triazine-2,4-diamine
aziprotryne	4-azido-*N*-isopropyl-6-methylthio-1,3,5-triazin-2-ylamine
barban	4-chlorobut-2-ynyl 3-chlorocarbanilate
benazolin	4-chloro-2,3-dihydro-2-oxo-1,3-benzothiazol-3-ylacetic acid
benfluralin	*N*-butyl-*N*-ethyl-α,α,α-trifluoro-2,6-dinitro-*p*-toluidine
benfuresate	2,3-dihydro-3,3-dimethylbenzofuran-5-yl ethanesulfonate
bensulfuron	α-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-*o*-toluic acid
bensulide	*O*,*O*-di-isopropyl *S*-2-phenylsulfonylaminoethyl phosphorodithioate
bentazone	3-isopropyl-1*H*-2,1,3-benzothiadiazin-4-(3*H*)-one 2,2-dioxide
benzadox*	benzamido-oxyacetic acid
benzipram	*N*-benzyl-*N*-isopropyl-3,5-dimethylbenzamide
benzofenap	2-[4-(2,4-dichloro-*m*-toluoyl)-1,3-dimethylpyrazol-5-yloxy]-4′-methylacetophenone
benzoylprop	*N*-benzoyl-*N*-(3,4-dichlorophenyl)-DL-alanine
benzthiazuron	1-benzothiazol-2-yl-3-methylurea
bifenox	methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate
bilanafos	4-[hydroxy(methyl)phosphinoyl]-L-homoalanyl-L-alanyl-L-alanine
bromacil	5-bromo-3-*sec*-butyl-6-methyluracil
bromobutide	2-bromo-*N*-(α,α-dimethylbenzyl)-3,3-dimethylbutyramide
bromofenoxim	3,5-dibromo-4-hydroxybenzaldehyde 2,4-dinitrophenyloxime
bromoxynil	3,5-dibromo-4-hydroxybenzonitrile
buminafos	dibutyl 1-butylaminocyclohexylphosphonate
butachlor	*N*-butoxymethyl-α-chloro-2′,6′-diethylacetanilide
butamifos	*O*-ethyl *O*-6-nitro-*m*-tolyl *sec*-butylphosphoramidothioate
butenachlor	(Z)-*N*-but-2-enyloxymethyl-2-chloro-2′,6′-diethylacetanilide
buthidazole	3-(5-*tert*-butyl-1,3,4-thiadiazol-2-yl)-4-hydroxy-1-methyl-2-imidazolidone
buthiuron	1-(5-butylsulfonyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
butralin	*N*-*sec*-butyl-4-*tert*-butyl-2,6-dinitroaniline
buturon	3-(4-chlorophenyl)-1-methyl-1-(1-methylprop-2-ynyl) urea
butylate	*S*-ethyl di-isobutylthiocarbamate
cambendichlor	2,2′-(phenylimino)diethylene bis(3,6-dichloro-*o*-anisate)
carbetamide	(*R*)-1-(ethylcarbamoyl)ethyl carbanilate
chlomethoxyfen	5-(2,4-dichlorophenoxy)-2-nitroanisole
chloramben	3-amino-2,5-dichlorobenzoic acid
chloranocryl	3′,4′-dichloro-2-methylacrylanilide
chlorazifop	(±)-2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]propionic acid
chlorbromuron	3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methylurea
chlorbufam	1-methylprop-2-ynyl 3-chlorophenylcarbamate
chloreturon	3-(3-chloro-4-ethoxyphenyl)-1,1-dimethylurea
chlorfenac	(2,3,6-trichlorophenyl)acetic acid
chlorfenprop	(±)-2-chloro-3-(4-chlorophenyl)propionic acid
chlorfluren	2-chlorofluorene-9-carboxylic acid
chlorflurenol	2-chloro-9-hydroxyfluorene-9-carboxylic acid
chloridazon	5-amino-4-chloro-2-phenylpyridazin-3(2*H*)-one
chlorimuron	2-(4-chloro-6-methoxypyrimidin-2-ylcarbamoylsulfamoyl)benzoic acid
chlormequat	2-chloroethyltrimethylammonium
chlornitrofen	4-nitrophenyl 2,4,6-trichlorophenyl ether
chlorotoluron	3-(3-chloro-*p*-tolyl)-1,1-dimethylurea
chloroxuron	3-[4-(4-chlorophenoxy)phenyl]-1,1-dimethylurea
chlorpropham	isopropyl 3-chlorocarbanilate
chlorsulfuron	1-(2-chlorophenylsulfonyl)-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
chlorthal-dimethyl	dimethyl tetrachloroterephthalate
chlorthiamid	2,6-dichlorothiobenzamide

cinmethylin	(1*RS*,2*SR*,4*SR*)-1,4-epoxy-*p*-menth-2-yl 2-methylbenzyl ether
cinosulfuron	1-(4,6-dimethoxy-1,3,5-triazin-2-yl)-3-[2-(2-methoxyethoxy)phenylsulfonyl]urea
cisanilide†	2,5-dimethyl-1-pyrrolidinecarboxanilide
clethodim	(±)-2-[(*E*)-1-[(*E*)-3-chloroallyloxyimino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-enone
cliodinate	2-chloro-3,5-di-iodo-4-pyridyl acetate
clomazone	2-(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one
clomeprop	(*RS*)-2-(2,4-dichloro-*m*-tolyloxy)propionanilide
cloprop	(±)-2-(3-chlorophenoxy)propionic acid
cloproxydim	(±)-2-[1-(3-chloroallyloxy)iminobutyl]-5-(2-ethylthiopropyl)-3-hydroxycyclohex-2-enone
clopyralid	3,6-dichloropyridine-2-carboxylic acid
4-CPA	4-chlorophenoxyacetic acid
cyanatryn	2-(4-ethylamino-6-methylthio-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
cyanazine	2-(4-chloro-6-ethylamino-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
cycloate	*S*-ethyl cyclohexyl(ethyl)thiocarbamate
cycloxydim	(±)-2-[1-(ethoxyimino)butyl]-3-hydroxy-5-thian-3-ylcyclohex-2-enone
cycluron	3-cyclo-octyl-1,1-dimethylurea
cyometrinil	(*Z*)-cyanomethoxyimino(phenyl)acetonitrile
cyperquat	1-methyl-4-phenylpyridinium
cyprazine	6-chloro-N^2-cyclopropyl-N^4-isopropyl-1,3,5-triazine-2,4-diamine
cyprazole	*N*-[5-(2-chloro-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]cyclopropanecarboxamide
cypromid	3′,4′-dichlorocyclopropanecarboxanilide
2,4-D	(2,4-dichlorophenoxy)acetic acid
daimuron	1-(1-methyl-1-phenylethyl)-3-*p*-tolylurea
dalapon	2,2-dichloropropionic acid
daminozide	*N*-dimethylaminosuccinamic acid
dazomet	tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione
2,4-DB	4-(2,4-dichlorophenoxy)butyric acid
delachlor	2-chloro-*N*-(isobutoxymethyl)acet-2′,6′-xylidide
desmedipham	3-ethoxycarbonylaminophenyl phenylcarbamate
desmetryn	N^2-isopropyl-N^4-methyl-6-methylthio-1,3,5-triazine-2,4-diamine
di-allate	*S*-2,3-dichloroallyl di-isopropyl(thiocarbamate)
dicamba	3,6-dichloro-*o*-anisic acid
dichlobenil	2,6-dichlorobenzonitrile
dichlone	2,3-dichloro-1,4-naphthoquinone
dichloralurea	1,3-bis(2,2,2-trichloro-1-hydroxyethyl)urea
dichlorflurenol	2,7-dichloro-9-hydroxyfluorene-9-carboxylic acid
dichlormate	3,4-dichlorobenzyl methylcarbamate
dichlorprop	(*RS*)-2-(2,4-dichlorophenoxy)propionic acid
dichlorprop-P	(*R*)-2-(2,4-dichlorophenoxy)propionic acid
diclofop	(*RS*)-2-[4-(2,4-dichlorophenoxy)phenoxy]propionic acid
diethamquat	1,1′-bis(diethylcarbamoylmethyl)-4,4′-bipyridyl-1,1′-diylium
diethatyl	*N*-chloroacetyl-*N*-(2,6-diethylphenyl)glycine
difenopenten	(*E*)-(±)-4-[4-(α,α,α-trifluoro-*p*-tolyloxy)phenoxy]pent-2-enoic acid
difenoxuron	3-[4-(4-methoxyphenoxy)phenyl]-1,1-dimethylurea
difenzoquat	1,2-dimethyl-3,5-diphenylpyrazolium
diflufenican	2′,4′-difluoro-2-(α,α,α-trifluoro-*m*-tolyloxy)nicotinanilide
dikegulac	2,3:4,6-di-*O*-isopropylidene-α-L-*xylo*-2-hexulofuranosonic acid
dimefuron	3-[4-(5-*tert*-butyl-2,3-dihydro-2-oxo-1,3,4-oxadiazol-3-yl)-3-chlorophenyl]-1,1-dimethylurea
dimepiperate	*S*-1-methyl-1-phenylethyl piperidine-1-carbothioate
dimethachlor	2-chloro-*N*-(2-methoxyethyl)acet-2′,6′-xylidide
dimethametryn	N^2-(1,2-dimethylpropyl)-N^4-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
dimexano	*O,O*-diethyl dithiobis(thioformate)
dimidazon	4,5-dimethoxy-2-phenylpyridazin-3(2*H*)-one
dinitramine	N^1,N^1-diethyl-2,6-dinitro-4-trifluoromethyl-*m*-phenylenediamine
dinoseb	2-*sec*-butyl-4,6-dinitrophenol
dinoterb	2-*tert*-butyl-4,6-dinitrophenol
diphenamid	*N,N*-dimethyldiphenylacetamide
dipropetryn	6-ethylthio-N^2,N^4-di-isopropyl-1,3,5-triazine-2,4-diamine
diquat	9,10-dihydro-8a,10a-diazoniaphenanthrene
disul	2-(2,4-dichlorophenoxy)ethyl hydrogen sulfate
dithiopyr	*S,S′*-dimethyl 2-difluoromethyl-4-isobutyl-6-trifluoromethylpyridine-3,5-dicarbothioate
diuron	3-(3,4-dichlorophenyl)-1,1-dimethylurea
DNOC	4,6-dinitro-*o*-cresol
DSMA†	disodium methylarsonate
eglinazine	*N*-(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)glycine
endothal*	7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
epronaz	1-(*N*-ethyl-*N*-propylcarbamoyl)-3-propylsulfonyl-1*H*-1,2,4-triazole
EPTC	*S*-ethyl dipropylthiocarbamate
erbon	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate
esprocarb	*S*-benzyl 1,2-dimethylpropyl(ethyl)thiocarbamate
etacelasil	2-chloroethyltris(2-methoxyethoxy)silane
ethalfluralin	*N*-ethyl-α,α,α-trifluoro-*N*-(2-methylallyl)-2,6-dinitro-*p*-toluidine
ethephon†	2-chloroethylphosphonic acid
ethidimuron	1-(5-ethylsulfonyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
ethiolate	*S*-ethyl diethylthiocarbamate
ethofumesate	(±)-2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methanesulfonate
etnipromid	(*RS*)-2-[5-(2,4-dichlorophenoxy)-2-nitrophenoxy]-*N*-ethylpropionamide
fenasulam	methyl 4-[2-(4-chloro-*o*-tolyloxy)acetamido]phenylsulfonylcarbamate
fenchlorazole	1-(2,4-dichlorophenyl)-5-trichloromethyl-1*H*-1,2,4-triazole-3-carboxylic acid
fenclorim	4,6-dichloro-2-phenylpyrimidine
fenoprop	(±)-2-(2,4,5-trichlorophenoxy)propionic acid

fenoxaprop	(±)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxyl]propionic acid
fenoxaprop-P	(*R*)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxyl]propionic acid
fenridazon	1-(4-chlorophenyl)-1,4-dihydro-6-methyl-4-oxopyridazine-3-carboxylic acid
fenteracol	2-(2,4,5-trichlorophenoxy)ethanol
fenthiaprop	(±)-2-[4-(6-chloro-1,3-benzothiazol-2-yloxy)phenoxy]propionic acid
fenuron	1,1-dimethyl-3-phenylurea
flamprop	*N*-benzoyl-*N*-(3-chloro-4-fluorophenyl)-DL-alanine
flamprop-M	*N*-benzoyl-*N*-(3-chloro-4-fluorophenyl)-D-alanine
flazasulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea
fluazifop	(*RS*)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid
fluazifop-P	(*R*)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid
fluchloralin	*N*-(2-chloroethyl)-2,6-dinitro-*N*-propyl-4-(trifluoromethyl)aniline
flufenican	2-(α,α,α-trifluoro-*m*-tolyloxy)nicotinanilide
fluometuron	1,1-dimethyl-3-(α,α,α-trifluoro-*m*-tolyl)urea
fluoridamid	3′-(1,1,1-trifluoromethanesulfonamido)acet-*p*-toluidide
fluorodifen	4-nitrophenyl α,α,α-trifluoro-2-nitro-*p*-tolyl ether
fluoroglycofen	*O*-[5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrobenzoyl]glycolic acid
fluoromidine	6-chloro-2-trifluoromethyl-3*H*-imidazo[4,5-*b*]pyridine
fluoronitrofen	2,4-dichloro-6-fluorophenyl 4-nitrophenyl ether
fluothiuron	3-[3-chloro-4-(chlorodifluoromethylthio)phenyl]-1,1-dimethylurea
flupropanate	2,2,3,3-tetrafluoropropionic acid
flurenol	9-hydroxyfluorene-9-carboxylic acid
fluridone	1-methyl-3-phenyl-5-(α,α,α-trifluoro-*m*-tolyl)-4-pyridone
flurochloridone	(3*RS*,4*RS*;3*RS*,4*SR*)-3-chloro-4-chloromethyl-1-(α,α,α-trifluoro-*m*-tolyl)-2-pyrrolidone
fluroxypyr	4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid
flurprimidol	(*RS*)-2-methyl-1-pyrimidin-5-yl-1-(4-trifuoromethoxyphenyl)-propan-2-ol
flurtamone	(*RS*)-5-methylamino-2-phenyl-4-(α,α,α-trifluoro-*m*-tolyl)furan-3(2*H*)-one
fomesafen	5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-*N*-methylsulfonyl-2-nitrobenzamide
fosamine	ethyl hydrogen carbamoylphosphonate
furyloxyfen	(±)-5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrophenyl tetrahydro-3-furyl ether
gibberellic acid*	(3*S*,3a*R*,4*S*,4a*S*,7*S*,9a*R*,9b*R*,12*S*)-7,12-dihydroxy-3-methyl-6-methylene-2-oxoperhydro-4a,7-methano-9b,3-propenoazuleno[1,2-*b*]furan-4-carboxylic acid
glufosinate	DL-homoalanin-4-yl(methyl)phosphinic acid
glyphosate	*N*-(phosphonomethyl)glycine
glyphosine	*N*,*N*-bis(phosphonomethyl)glycine
halosafen	5-(2-chloro-α,α,α,6-tetrafluoro-*p*-tolyloxy)-*N*-ethylsulfonyl-2-nitrobenzamide
haloxydine	3,5-dichloro-2,6-difluoropyridin-4-ol
haloxyfop	(*RS*)-2-[4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy]propionic acid
hexaflurate†	potassium hexafluoroarsenate
hexazinone	3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4-(1*H*,3*H*)-dione
holosulf	2-chloroethanesulfinic acid
IAA+	indol-3-ylacetic acid
IBA+	4-indol-3-ylbutyric acid
imazamethabenz	(±)-6-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*m*-toluic acid, and (±)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*p*-toluic acid
imazapyr	2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid
imazaquin	(*RS*)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)quinoline-3-carboxylic acid
imazethapyr	(*RS*)-5-ethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid
imazosulfuron	1-(2-chloroimidazo[1,2-*a*]pyridin-3-ylsulfonyl)-3-(4,6-dimethoxypyrimidin-2-yl)urea
ioxynil	4-hydroxy-3,5-di-iodobenzonitrile
isocarbamid	*N*-isobutyl-2-oxoimidazolidine-1-carboxamide
isomethiozin	6-*tert*-butyl-4-isobutylideneamino-3-methylthio-1,2,4-triazin-5(4*H*)-one
isopolinate	*S*-isopropyl perhydroazepine-1-carbothioate
isopropalin	4-isopropyl-2,6-dinitro-*N*,*N*-dipropylaniline
isoproturon	3-(4-isopropylphenyl)-1,1-dimethylurea
isopyrimol	1-(4-chlorophenyl)-2-methyl-1-pyrimidin-5-ylpropan-1-ol
isouron	3-(5-*tert*-butylisoxazol-3-yl)-1,1-dimethylurea
isoxaben	*N*-[3-(1-ethyl-1-methylpropyl)isoxazol-5-yl]-2,6-dimethoxybenzamide
isoxapyrifop	(*RS*)-2-[2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]propionyl]-1,2-oxazolidine
karbutilate	3-(3,3-dimethylureido)phenyl *tert*-butylcarbamate
lactofen	ethyl *O*-[5-(2-chloro-α,α,α-trifluoro-*p*-tolyloxy)-2-nitrobenzoyl]-DL-lactate
lenacil	3-cyclohexyl-1,5,6,7-tetrahydrocyclopentapyrimidine-2,4(3*H*)-dione
linuron	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea
maleic hydrazide	1,2-dihydropyridazine-3,6-dione
MAMA†	ammonium hydrogen methylarsonate
MCPA	4-chloro-*o*-tolyloxyacetic acid
MCPB	4-(4-chloro-*o*-tolyloxy)butyric acid
mecoprop	(*RS*)-2-(4-chloro-*o*-tolyloxy)propionic acid
mecoprop-P	(*R*)-2-(4-chloro-*o*-tolyloxy)propionic acid
medinoterb	6-*tert*-butyl-2,4-dinitro-*m*-cresol
mefenacet	2-(1,3-benzothiazol-2-yloxy)-*N*-methylacetanilide
mefluidide	5′-(1,1,1-trifluoromethanesulfonamido)acet-2′,4′-xylidide
mepiquat	1,1-dimethylpiperidinium
metam*	methyldithiocarbamic acid
metamitron	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4*H*)-one
metazachlor	2-chloro-*N*-(pyrazol-1-ylmethyl)acet-2′,6′-xylidide
metflurazon	4-chloro-5-dimethylamino-2-(α,a,α-trifluoro-*m*-tolyl)pyridazin-3(2*H*)-one
methabenzthiazuron	1-benzothiazol-2-yl-1,3-dimethylurea
methalpropalin	α,α,α-trifluoro-*N*-(2-methylallyl)-2,6-dinitro-*N*-propyl-*p*-toluidine
methazole*	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione
methiobencarb	*S*-4-methoxybenzyl diethylthiocarbamate

methometon	6-methoxy-N^2,N^4-bis(3-methoxypropyl)-1,3,5-triazine-2,4-diamine
methoprotryne	N^2-isopropyl-N^4-(3-methoxypropyl)-6-methylthio-1,3,5-triazine-2,4-diamine
metobromuron	3-(4-bromophenyl)-1-methoxy-1-methylurea
metolachlor	2-chloro-6′-ethyl-*N*-(2-methoxy-1-methylethyl)acet-*o*-toluidide
metoxuron	3-(3-chloro-4-methoxyphenyl)-1,1-dimethylurea
metribuzin	4-amino-6-*tert*-butyl-3-methylthio-1,2,4-triazin-5(4*H*)-one
metsulfuron	2-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoic acid
molinate	*S*-ethyl perhydroazepine-1-thiocarboxylate
monalide	4′-chloro-2,2-dimethylvaleranilide
monisouron	1-(5-*tert*-butylisoxazol-3-yl)-3-methylurea
monolinuron	3-(4-chlorophenyl)-1-methoxy-1-methylurea
monuron	3-(4-chlorophenyl)-1,1-dimethylurea
morfamquat	1,1′-bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4′-bipyridyldiylium
MSMA†	sodium hydrogen methylarsonate
NAA+	2-(1-naphthyl)acetic acid
napropamide	(*RS*)-*N*,*N*-diethyl-2-(1-naphthyloxy)propionamide
naptalam	*N*-1-naphthylphthalamic acid
neburon	1-butyl-3-(3,4-dichlorophenyl)-1-methylurea
nicosulfuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-dimethylcarbamoyl-2-pyridylsulfonyl)urea
nipyraclofen	1-(2,6-dichloro-α,α,α-trifluoro-*p*-tolyl)-4-nitropyrazol-5-ylamine
nitralin	4-methylsulfonyl-2,6-dinitro-*N*,*N*-dipropylaniline
nitrofen	2,4-dichlorophenyl 4-nitrophenyl ether
nitrofluorfen	2-chloro-α,α,α-trifluoro-*p*-tolyl 4-nitrophenyl ether
norflurazon	4-chloro-5-methylamino-2-(α,α,α-trifluoro-*m*-tolyl)pyridazin-3(2*H*)-one
noruron	3-(hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea
orbencarb	*S*-2-chlorobenzyl diethylthiocarbamate
oryzalin	3,5-dinitro-N^4,N^4-dipropylsulfanilamide
oxadiazon	5-*tert*-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3*H*)-one
oxyfluorfen	2-chloro-α,α,α-trifluoro-*p*-tolyl 3-ethoxy-4-nitrophenyl ether
paclobutrazol	(2*RS*,3*RS*)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1*H*-1,2,4-triazol-1-yl)pentan-3-ol
paraquat	1,1′-dimethyl-4,4′-bipyridinium
pebulate	*S*-propyl butyl(ethyl)thiocarbamate
pendimethalin	*N*-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine
pentachlorophenol	sodium pentachlorophenate
pentanochlor	*N*-(3-chloro-*p*-tolyl)-2-methylvaleramide
perfluidone	1,1,1-trifluoro-*N*(4-phenylsulfonyl-*o*-tolyl)methanesulfonamide
phenisopham	3-(isopropoxycarbonylamino)phenyl *N*-ethylcarbanilate
phenmedipham	3-methoxycarbonylaminophenyl 3′-methylcarbanilate
phenmedipham-ethyl	3-ethoxycarbonylaminophenyl 3′-methylcarbanilate
phenobenzuron	1-benzoyl-1-(3,4-dichlorophenyl)-3,3-dimethylurea
picloram	4-amino-3,5,6-trichloropicolinic acid
piperophos	*S*-2-methylpiperidinocarbonylmethyl *O*,*O*-dipropyl phosphorodithioate
piproctanyl	1-allyl-1-(3,7-dimethyloctyl)piperidinium
pretilachlor	2-chloro-2′,6′-diethyl-*N*-(2-propoxyethyl)acetanilide
primisulfuron	2-[4,6-bis(difluoromethoxy)pyrimidin-2-ylcarbamoylsulfamoyl]benzoic acid
procyazine	2-(4-chloro-6-cyclopropylamino-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
prodiamine	2,6-dinitro-N^1,N^1-dipropyl-4-trifluoromethyl-*m*-phenylenediamine
profluralin	*N*-(cyclopropylmethyl)-α,α,α-trifluoro-2,6-dinitro-*N*-propyl-*p*-toluidine
proglinazine	*N*-(4-chloro-6-isopropylamino-1,3,5-triazin-2-yl)glycine
prometon	N^2,N^4-di-isopropyl-6-methoxy-1,3,5-triazine-2,4-diamine
prometryn	N^2,N^4-di-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
propachlor	α-chloro-*N*-isopropylacetanilide
propanil	3′,4′-dichloropropionanilide
propaquizafop	2-isopropylideneamino-oxyethyl (*R*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate
propazine	6-chloro-N^2,N^4-di-sisopropyl-1,3,5-triazine-2,4-diamine
propham	isopropyl phenylcarbamate
propyzamide	3,5-dichloro-*N*-(1,1-dimethylpropynyl)benzamide
prosulfalin	*N*-(4-dipropylamino-3,5-dinitrophenylsulfonyl)-*S*,*S*-dimethylsulfimide
prosulfocarb	*S*-benzyl dipropylthiocarbamate
prynachlor	2-chloro-*N*-(1-methylprop-2-ynyl)acetanilide
pydanon	(±)-hexahydro-4-hydroxy-3,6-dioxopyridazin-4-ylacetic acid
pyrazolynate	4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yl toluene-4-sulfonate
pyrazosulfuron	5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylic acid
pyrazoxyfen	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yloxy]acetophenone
pyributicarb	*O*-3-*tert*-butylphenyl 6-methoxy-2-pyridyl(methyl)thiocarbamate
pyridate	6-chloro-3-phenylpyridazin-4-yl *S*-octyl thiocarbonate
quinclorac	3,7-dichloroquinoline-8-carboxylic acid
quinmerac	7-chloro-3-methylquinoline-8-carboxylic acid
quinoclamine	2-amino-3-chloro-1,4-naphthoquinone
quinonamid	2,2-dichloro-*N*-(3-chloro-1,4-naphthoquinon-2-yl)acetamide
quizalofop	(*RS*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionic acid
quizalofop-P	(*R*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionic acid
sebuthylazine	N^2-*sec*-butyl-6-chloro-N^4-ethyl-1,3,5-triazine-2,4-diamine
secbumeton	N^2-*sec*-butyl-N^4-ethyl-6-methoxy-1,3,5-triazine-2,4-diamine
sethoxydim	(±)-(*EZ*)-2-(1-ethoxyiminobutyl)-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-enone
siduron	1-(2-methylcyclohexyl)-3-phenylurea
simazine	6-chloro-N^2,N^4-diethyl-1,3,5-triazine-2,4-diamine
simetryn	2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine
SMA+	sodium monochloroacetate
sulfallate	2-chloroally diethyldithiocarbamate
sulfometuron	2-[3-(4,6-dimethylpyrimidin-2-yl)ureidosulfonyl]benzoic acid

sulglycapin	azepan-1-ylcarbonylmethyl methylsulfamate
swep†	methyl 3,4-dichlorocarbanilate
2,4,5-T	(2,4,5-trichlorophenoxy)acetic acid
2,4,5-TB	4-(2,4,5-trichlorophenoxy)butyric acid
2,3,6-TBA	2,3,6-trichlorobenzoic acid
TCA	trichloroacetic acid
tebutam	*N*-benzyl-*N*-isopropylpivalamide
tebuthiuron	1-(5-*tert*-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
terbacil	3-*tert*-butyl-5-chloro-6-methyluracil
terbucarb	2,6-di-*tert*-butyl-*p*-tolyl methylcarbamate
terbuchlor	*N*-butoxymethyl-6′-*tert*-butyl-2-chloroacet-*o*-toluidide
terbumeton	N^2-*tert*-butyl-N^4-ethyl-6-methoxy-1,3,5-triazine-2,4-diamine
terbuthylazine	N^2-*tert*-butyl-6-chloro-N^4-ethyl-1,3,5-triazine-2,4-diamine
terbutryn	N^2-*tert*-butyl-N^4-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
tetrafluron	1,1-dimethyl-3-[3-(1,1,2,2-tetrafluoroethoxy)phenyl]urea
thiazafluron	1,3-dimethyl-1-(5-trifluoromethyl-1,3,4-thiadiazol-2-yl)urea
thidiazuron	1-phenyl-3-(1,2,3-thiadiazol-5-yl)urea
thifensulfuron	3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)thiophen-2-carboxylic acid
thiobencarb	*S*-4-chlorobenzyl diethylthiocarbamate
tiocarbazil	*S*-benzyl di-*sec*-butylthiocarbamate
tralkoxydim	2-[1-(ethoxyimino)propyl]-3-hydroxy-5-mesitylcyclohex-2-enone
tri-allate	*S*-2,3,3-trichloroallyl di-isopropyl(thiocarbamate)
triapenthenol	(*E*)-(*RS*)-1-cyclohexyl-4,4-dimethyl-2-(1*H*-1,2,4-triazol-1-yl)pent-1-en-1-ol
triasulfuron	1-[2-(2-chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
tribenuron	2-[4-methoxy-6-methyl-1,3,5-triazin-2-yl(methyl)carbamoylsulfamoyl]benzoic acid
triclopyr	3,5,6-trichloro-2-pyridyloxyacetic acid
tridiphane	(*RS*)-2-(3,5-dichlorophenyl)-2-(2,2,2-trichloroethyl)oxirane
trietazine	6-chloro-N^2,N^2,N^4-triethyl-1,3,5-triazine-2,4-diamine
trifluralin	α,α,α-trifluoro-2,6-dinitro-*N*,*N*-dipropyl-*p*-toluidine
trifop	(*RS*)-2-[4-(α,α,α-trifluoro-*p*-tolyloxy)phenoxy]propionic acid
trifopsime	acetone (*R*)-*O*-[2-[4-(α,α,α-trifluoro-*p*-tolyloxy)phenoxy]propionyl]oxime
trimeturon*	3-(4-chlorophenyl)-1,1,2-trimethylisourea
tripropindan	6-isopropyl-1,1,4-trimethyl-5-propionylindane
uniconazole	(*E*)-(*RS*)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1*H*-1,2,4-triazol-1-yl)pent-1-en-3-ol
vernolate	*S*-propyl dipropylthiocarbamate

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(sole agent in Japan)
P.O. Box 5050 Tokyo International 100–31, Japan.

Printed by Unwin Brothers Ltd., The Gresham Press, Old Woking, Surrey, U.K.
A Member of the Martins Printing Group

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The Organization
CAB International (CABI) is an international, inter-governmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 29, but membership is open to all governments wishing to participate. Established in 1928, the organization provides information, scientific and development services for agriculture and allied disciplines throughout the world.

Information Services
The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine.

The Accessions Unit acquires the relevant scientific and technical literature for abstracting and indexing by almost 100 scientists/linguists in the following five divisions:

Animal Health & Medical Parasitology
Animal Production & Human Nutrition
Crop Protection & Genetics
Crop Production
Natural Resources, Forestry & Economics

Further material is acquired and processed by collaborating or contracted organizations.

Abstract journals and electronic products derived from the database, and online access to it, provide unique sources of information for research scientists, development planners, educators and students.

The Information Services also publish primary journals and books, and offer training for information professionals, especially in developing countries.

Scientific Services
CABI's Scientific Services consist of four institutes and two support services:

International Institute of Entomology (IIE),
Director, Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

International Mycological Institute (IMI),
Director, Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

International Institute of Parasitology (IIP),
Director, Dr R. Muller, located at Winches Farm, St Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

International Institute of Biological Control (IIBC),
Director, Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

Development Services (CDS),
Head, Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services, and also coordinate CABI's training activities.

Library Services,
Manager, Mr C.J. Hamilton, have their headquarters with IIBC at Silwood Park, where the main Library is held, with additional literature collections at IMI, IIP, CDS and CABIC. Library Services operate document delivery and translation services.

Information Technology Services (ITS)
ITS provide computing resources and services to all parts of CABI. A central computing facility is maintained with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and information retrieval and PAGER for typesetting.

The staff of 25 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CAB ABSTRACTS database and associated functions, plus accessions control, subscription management and electronic publishing.

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